

Worksheet Number ()

Grade & Section: 6th ()

Unit: 3

Student's Name: _____

Date: ____/____/____

Skill/Lesson: Classifying matter

Educational Outcomes:

1. Define physical properties.
2. Classify and describe matter according to their physical properties.
3. Identify: Texture, mass, elasticity, odor, melting point, hardness and magnetism of matter.

Activity 1: Hardness

Hardness is how hard or soft something is

Watch the following video then answer the following question

<https://www.youtube.com/watch?v=xZUGWzRpA-4>

Mineral Name	Hardness
Talc	1
Gypsum	2
Calcite	3
Fluorite	4
Apatite	5
Feldspar	6
Quartz	7
Topaz	8
Corundum	9
Diamond	10

Common Object	Hardness
Fingernail	2.5
Copper Penny	3
Iron Nail	4.5
Glass	5.5
Streak Plate	7

Q1. What is the hardest material in the previous table?

DIAMOND

Q2. What is the hardness of Iron nail? **4.5**

Q3. Name two minerals on the Mohs scale that can scratch Topaz.

Corundum and Diamond

Q4. Which mineral is harder, Topaz or Quartz? Topaz

Activity 2: Texture

Texture is the feel or the appearance of the surface.

Words used to describe texture: (smooth, soft, hard, shiny or dull).

This is the link of an interactive worksheet of describing texture

<https://www.liveworksheets.com/w/en/life-experience/1714980>

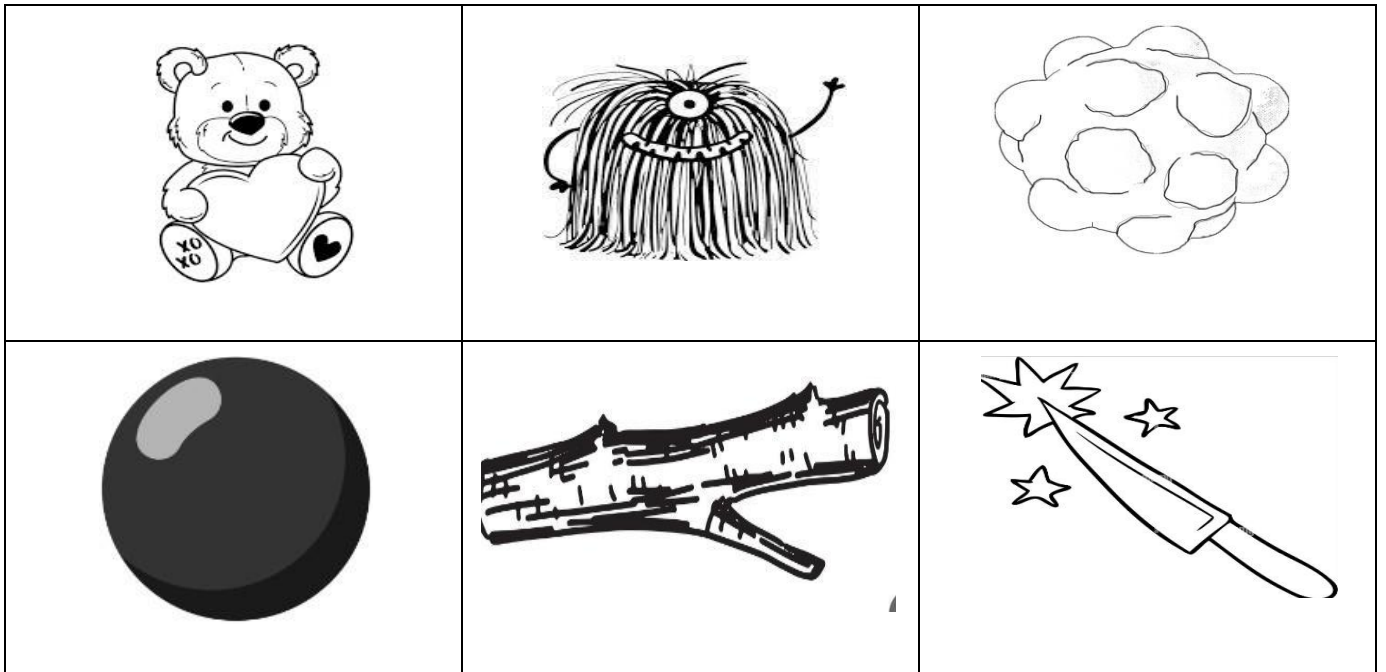
Question 1 : Describe the following picture use the word from the list

Hairy – smooth – sharp – bumpy – rough – fuzzy - soft

Fuzzy

Hairy

Bumpy

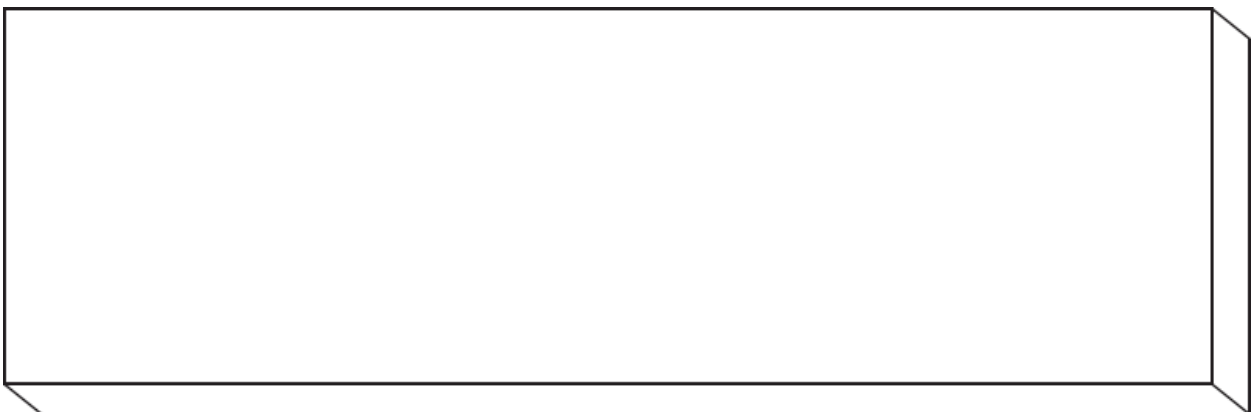


Smooth

rough

sharp

Question 2: Practice drawing an object with rough texture on the shape below

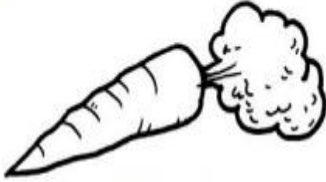


Activity 3: Mass

Mass: is how heavy something is

Question 1: Choose the best estimate for each object or animal shown.

1.



18 grams
4 kilograms
8 kilograms

2.



20 grams
500 grams
18 kilograms

3.



570 grams
7 kilograms
37 kilograms

4.



600 kilograms
60,000 kilograms
6,000 grams

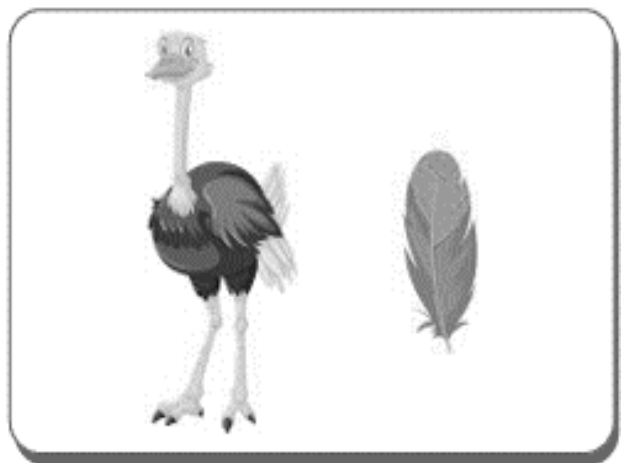
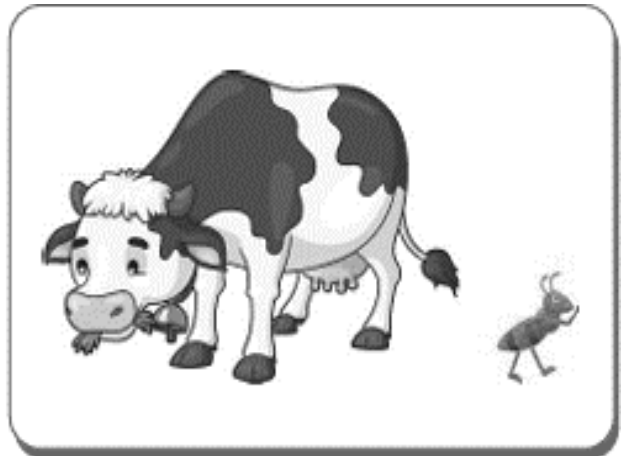
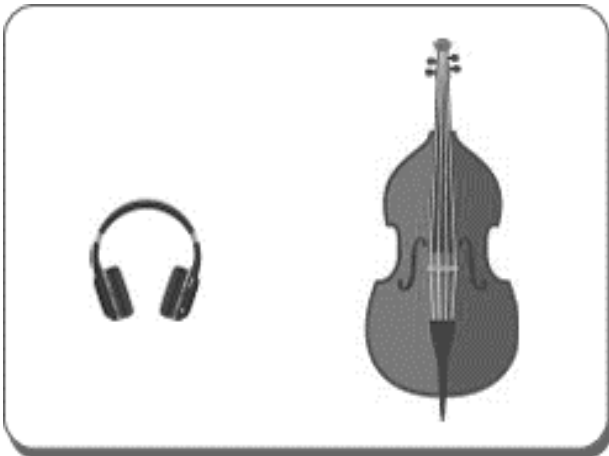
18 g

500 g

7 Kg

600 Kg

Question 2: Circle the heavy objects and cross out the light ones.



Activity 4: Magnetism

Magnetism is the ability to be attracted to magnet

Watch the following video then answer the following

<https://www.youtube.com/watch?v=yXCeuSiTOug>

Question 1 : Draw a line from the magnet to the things it will attract.



Nail Paper clip iron wire key

Activity 5: Elasticity

Elasticity is how much will stretch or bend before breaking

The following link shows a live worksheet

<https://www.liveworksheets.com/w/en/science/2174603>

Question 1: identify the following as elastic or inelastic

Rubber band – wool string - wooden stick – trampoline - Spring Toys – glass cup

Elastic	inelastic
Rubber band	glass cup
trampoline	wooden stick
Spring Toys	wool string

Activity 6: Melting point

The following link is an interactive game

<https://www.liveworksheets.com/w/en/science/715863>

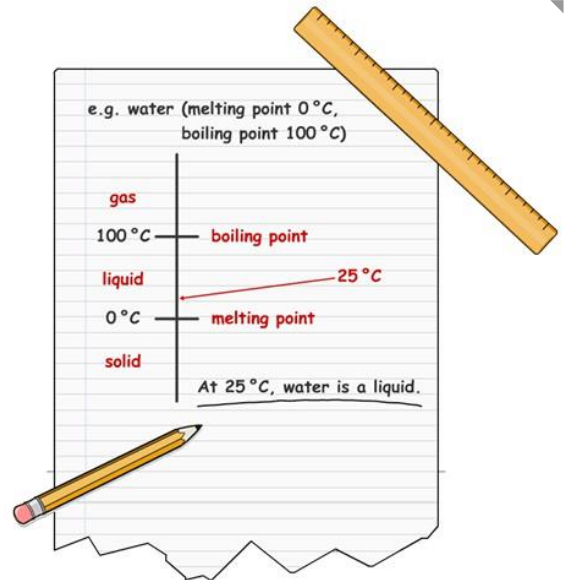
Q1: look at the next table and answer the following

Substance	Melting point
water	0° C
Iron	1535° C
gold	1063° C
mercury	-39° C

Q1: What is the melting point of Iron?

Q2: What is the melting point of Ice?

Q3: which material has the lowest melting point?



Activity 7: Odour

Odour is the smell of something

Question 1 : describe the odour of the following

Sweet – rotten – sharp



Good luck 🍀